

Application Serial No. 09/786,646  
Amendment dated February 28, 2005  
Reply to Office Action dated December 1, 2004

**Amendments to the Specification:**

Before paragraph [0001] delete the heading "Description" and substitute the following heading therefor:

**Background of the Invention**

Please replace paragraph [0001] with the following amended paragraph:

[0001] The invention relates to a method for the optimized transmission of multimedia services in mobile communications networks ~~as defined by patent claim 1.~~

Before paragraph [0016] insert the following heading:

**Summary of the Invention**

Please replace paragraph [0017] with the following amended paragraph:

[0017] This task is solved ~~with the characteristics described in Patent Claim 1~~ by providing one device each placed on either side of the transmission sections concerned. The devices communicate with each other and divide an integrated multimedia data flow into its application-specific data structures, transport the individual segments via transmission channels of the mobile telephone network which has been specially optimized for this particular purpose and then merge the segments to a transparent data flow which is identical to the original one.

Please replace paragraph [0020] with the following amended paragraph:

[0020] ~~The dependent patent claims describe~~ Described herein are advantageous implementations and further developments of the invention.

Before paragraph [0022] insert the following heading:

**Brief Description of the Drawings**

Please replace paragraph [0022] with the following amended paragraph:

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[0022] ~~The invention is illustrated using diagrams, which merely~~ Figs. 1-3 are diagrams  
that demonstrate a possible execution using the example of an enlarged GSM network in  
schematic form, where the drawings point out other uses and advantages of the invention.

Before paragraph [0023] insert the following heading:

Detailed Description

Please replace paragraph [0032] with the following amended paragraph:

[0032] The CAC is preferably implemented ~~[[s]]~~ as a software driver, while the ICMU is  
normally a hardware apparatus, which could be adapted in flexible ways to the rapidly  
changing protocol world by means of software updates in its protocol, conversion and  
algorithm-specific components in micro processing or signal-processing technology. As an  
additional benefit, this combination could handle protocol modifications from IP to circuit  
switching and vice versa etc. for the user and could thus enable communication on various  
networks.